



Second or third instar Douglas-fir tussock moth larvae feeding on a severely defoliated Douglas-fir tree early June, 2015, North Cheyenne Canon



Douglas-fir tussock moth egg mass laid on a female moth's pupal chamber



Western spruce budworm larvae feeding on a Douglas-fir needle with previously damaged brown needles and buds nearby



Second or third instar western spruce budworm, early June 2015



Douglas-fir tussock moth female pupal chamber with egg mass attached. Notice the partially eaten needles and those that have turned brown from previous feeding.



Western spruce budworm pupal case still attached to the branch after the mature adult moth emerged.



Immature Douglas-fir tussock moth larvae clearly infected with the naturally occurring pathogen nuclear polyhedrosis virus, or NPV. This is very common in tussock moth populations, a naturally occurring disease that works to keep tussock moth numbers in check.



A mature Douglas-fir tussock moth larvae with brown, feeding-damaged needles nearby.





A mature Douglas-fir tussock moth larvae on white fir with brown, feeding-damaged needles nearby.



Cheyenne Mountain and vicinity with large band of brown, badly defoliated Douglas-fir and white fir trees on the southwest side of Colorado Springs. June, 2015



Douglas-fir tussock moth larvae and damage type, a very typical “look” after incomplete consumption of the needles



Typical size and color of Western spruce budworm pupal case after the adult emerges, usually early to mid-June. Note webbing, which can be indicative of both western spruce budworm and tussock moth activity.





Corpse of late instar Douglas-fir tussock moth larvae lying on the ground after being killed by NPV.



Female Douglas-fir tussock moth pupal case attached to Douglas-fir branch. Notice the hairy composition as this material is made from the female's own body.

All images courtesy of David Deitemeyer, Colorado Springs Parks and Rec



Western spruce budworm larvae



Adult Male Douglas-fir tussock moth



Adult Female Douglas-fir tussock moth





Mt. Muscoco and Cutler Trail damage from Douglas-fir tussock moth, North Cheyenne Canon, June 2015



Douglas-fir tussock moth damage, North Cheyenne Canon, June 2015





Western spruce budworm adult



Western spruce budworm pupal case

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